ESDS Reuse Working Group

Oct. 2005 Meeting in Baltimore, MD

Breakout Session Report Back
Robert Wolfe

Chairs

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Reuse Breakout Summary

- Survey report
  - discussed initial findings; additional analysis is needed of this very valuable data set; reports/papers will be published over the next year
- Enablement system trade study
  - reworked conclusion to recommend the next step be an architecture study, not to recommend a specific architecture approach
  - reaffirmed system requirements: additional requirements for licensing and incentives; will examine current requirements to generalize some implementation specific ones
- Portal planning
  - detailed discussion of method/process for updating portal and keeping it current
  - will add more areas where general users can submit content
- Poster/demo session
- Future plans

Plan for FY06 – Tasks (1 of 2)

- Reuse enablement system
  - ***Submit trade study and get HQ's feedback***
  - ***Architecture study***
  - Implementation planning
- Reuse portal
  - ***Provide more content and keep up to date***
  - Promote portal to community
  - Add guidelines for reuse and making assets reusable (top 10 things to do)
- Provide incentives for reuse
  - ***Follow up on policy recommendations for HQ to provide special consideration to proposals that include providing reusable components to community***
  - Recognition of examples of reuse (develop Peer recognition process)
  - Work on recommendation/justification for HQ to develop a funding opportunity to make assets/components reusable

Higher priority

Plan for FY06 – Tasks (2 of 2)

- Metrics/measurements
  - ***Generate/analyze statistics for portal web site***
  - Develop measurement systems that can be used by the community to report project reuse effectiveness (work with metrics group)?
    - Develop 1 or more questions (for metrics reporting tool)
    - Work logistics with Metrics group to collect data
  - Assess effort required to package assets for reuse
    - Work with ECHO, S4PM to determine how much effort it took to release systems on Open Source web site
  - Rationale: to develop a baseline for amount of reuse
- Promote reuse
  - ***Continue publications in journals and presentations at conferences***
  - ***Continue analysis of survey and publish results***
  - Hold a special session at the AGU
- Policy
  - ***Continue working with Office of Technology Transfer to facilitate software release process***

Higher priority

Plan for FY06 – WG Partnerships

- Focus on areas of cooperation and collaboration with other WGs
  - Use Technology Infusion capability vision/roadmap as a framework
- Interoperable Information (Web) Services
  - Help with metadata definition – XML tagging
  - Identifying reusable assets for categories of web services components
- HDF product content standards (e.g., atmospheric chemistry)?
  - Identifying reuseable assets for implementing a possible standard

FY06 Challenges

○ Involving more participants (getting more participants to make contributions)

○ Identifying and reaching out to decision makers at the NASA **Center** level

○ NASA's **dynamic** organizational structure (combined or separate Earth and Space Sciences?)

○ Need to reach out to other ES domains (e.g., modeling community – ESMF, National Forum for Geoscience Information Tech. – FGIT)

Websites or other contacts

- Reuse Portal
  - http://softwarereuse.nasa.gov
- Collaboration Web Site
  - http://www.sciencedatasystems.org/seeds/wg/reuse/default.aspx
- Mailing List
  - http://lists.sciencedatasystems.org/mailman/listinfo/reuse_lists.sciencedatasystems.org
- Monthly Telecons
  - Third Wednesday of the month @ 2 pm EST
- Support Contacts
  - Steve Olding – solding@everware.com
  - Jim Marshall – james.marshall@gsfc.nasa.gov
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